Panasonic

Professional LCD Television

# TH-42LRG20B

## Product specification (design and specification subject to change without notice)

### ■DISPLAY

| | |
|---|---|
| Screen Size (Diagonal) | 42-inch (106 cm) |
| Aspect ratio | 16:9 |
| Panel | IPS LCD Panel |
| Number of pixels (H x V) | 1,920 x 1,080 pixel |
| Brightness (Panel) | 500 cd/㎡ |
| Contrast Ratio (Dynamic) | 20,000 :1*1 |
| Viewing Angle | 178 degrees (CR≧10) |

*1: The ratio of the brightness of a screen displaying an all-white signal to the brightness of a screen displaying an all-black signal.

### ■TV TUNER

| | |
|---|---|
| Integrated Tuners* | PAL-I, DVB-T |
| Teletext Reception | 1000P TOP/FASTEXT Level 2.5 |

*Notice for DVB functions:
This TV is designed to meet the standards (current as of August, 2009) of DVB-T/C (MPEG2 and MPEG4-AVC [H.264]) services. The compatibility with future DVB services is not guaranteed.
DVB-T MPEG4-AVC broadcast is available in selected countries: Denmark, Spain, Estonia, France, Lithuania, Norway, Slovenia, Sweden, Poland, Hungary, Portugal.
DVB-C feature is available only in following countries:Sweden (ComHem, Canal Digital), Demark (YouSee), Norway (Canal Digital), Finland (Cable Ready HD), Germany, Switzerland, Netherlands
The country list above is as of January 1st, 2010. Check the latest information on the available services at the following website (English only):http://panasonic.jp/support/global/cs/tv/

### ■SIGNAL COMPATIBILITY

| | |
|---|---|
| Applicable Scanning Format Full-HD | 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only),<br>1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only) |
| HD | 750 (720)/50p, 750 (720)/60p |
| SD | 525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p |
| PC Signal | 600 x 400, 640 x 480, 800 x 600, 832 x 624, 1024 x 768, 1152 x 864, 1280 x 768, 864 x 512 |

### ■CONNECTION TERMINAL

| | | |
|---|---|---|
| CI (Common Interface) | Yes | |
| HDMI Input | HDMI x 2 (rear) | |
| Support Feature | Audio Return Channel (Input 2) | |
| Composite Video Input | RCA x 1 (rear) | 1.0 V [p-p] (75Ω) |
| Component Video Input | RCA x 3 (rear) | Y : with sync 1.0 V [p-p] (75Ω)<br>$P_B$, $P_R$ : 0.7 V [p-p] (75Ω) |
| PC Input | MINI D-SUB 15PIN x1(Female) | G : with sync 1.0 V [p-p] (75Ω)<br>B, R : 0.7 V [p-p] (75Ω)<br>HD/VD: 1.0~5.0 V [p-p] (high impedance) |
| Audio Input (Composite, Component, PC) | RCA (L/R) x 1 set (rear) | 0.5 V [rms] |
| Analogue Audio Output | RCA (L/R) x 1 set (rear) | |
| Digital Audio Output (Optical) | 1(rear) | |
| Headphone Jack | M3 jack x 1 (side) | |
| Ir through | M3 jack x 1 (rear) | |
| Serial (RS232C) | M3 jack x 1 (rear) | |
| SD Card Slot | Yes | |
| SCART (21-Pin Input/Output) | AV In/Out, S-Video In, RGB In, Q-Link (rear) | |

### ■ELECTRICAL

| | |
|---|---|
| Power Requirements | AC 220 - 240 V, 50 Hz |
| Power Consumption | 182W |
| On Mode Average Power Consumption*2 | 141W |
| Stand-by / Power off condition | 0.25W / 0.2W |

*2: Based on IEC 62087 measurement method.

### ■AUDIO

| | |
|---|---|
| Audio Output Power | 10W + 10W (10%THD) |
| Invisible Speaker System Details | 1 way 2 bottom Speaker |
| Virtual Surround | V-Audio |
| Dolby Digital/dts Out | Dolby Digital Plus/dts Out |

### ■DIMENSIONS & WEIGHT

| | |
|---|---|
| TV with Stand (W x H x D) | 1,021 x 678 x 310 mm |
| TV without Stand (W x H x D) | 1,021 x 636 x 109 mm |
| Carton Dimensions (W x H x D) | 1,314 x 729 x 214 mm |
| TV with Stand Weight | approx. 19.6 kg |
| TV without Stand Weight | approx. 17.0 kg |
| Gross weight | approx. 26.0 kg |
| Cabinet Color | Glossy Black |

### ■ENVIRONMENTAL

| | | |
|---|---|---|
| Operating environment | Temperature | : 0℃ to 35℃ |
| | Humidity | : 20% to 80% (Non condensation) |
| Storage environment | Temperature | : -20℃ to 50℃ |
| | Humidity | : 20% to 65% (Non condensation) |

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## MAIN FEATURE

| | |
|---|---|
| SD Card | Image Viewer (AVCHD/JPEG playback)<br>Cloning |
| EPG (Now and Next) | Yes |
| EPG for DVB-T (7days) | Gemstar EPG: Italy, Germany,<br>Spain; 7-Days SI EPG: France,<br>Sweden |
| VIERA Link | Y (HDAVI Control 5) |
| Multi Window | PAT |
| Welcome Message | Yes |
| Eco Mode* | Yes |
| Game Mode | Yes |
| Q-Link | Yes |
| OFF Timer | 15/30/45/60/75/90 |
| Initial INPUT | Yes |
| INPUT Lock | Yes |
| Initial VOL level | Yes |
| Maximum VOL level | Yes |
| Bottom Lock | Yes |
| Remote control User Level | Yes |

*Contrast Automatic Tracking System

## ACCESSORIES

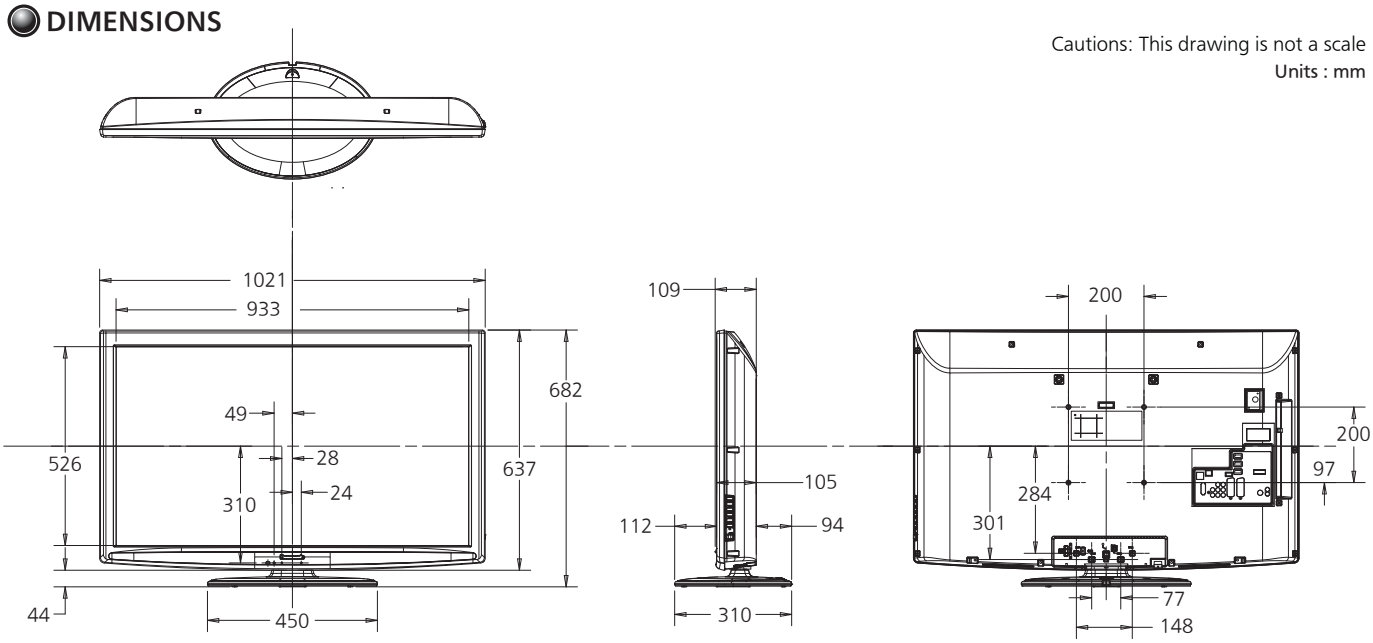
| | |
|---|---|
| INCLUDED ACCESSORIES | Pedestal<br>Converter Cable (M3 to D-sub 9pin)<br>Remote control transmitter<br>Operating Instruction |
| OPTIONAL ACCESSORIES | Wall hanging bracket (TY-WK3L2RW)<br>VESA Compliant W200xH200 |

## STANDARD (CERTIFICATIONS)

| | |
|---|---|
| SAFETY REGULATIONS | EN60065;2002/CE Mark/BEAB Mark |
| RADIATION REGULATIONS | EN55013/EN55020/EN61000-3-2/<br>EN61000-3-3/EN55022 (ClassB)/<br>EN55024 |

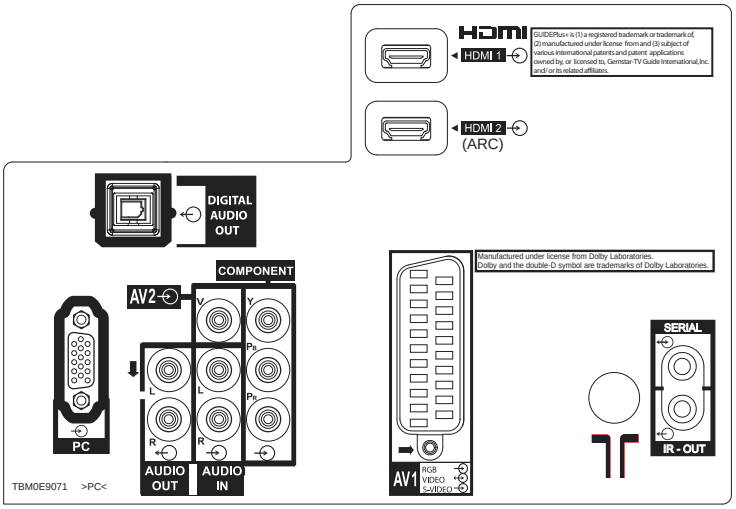
## DIMENSIONS

Cautions: This drawing is not a scale
Units : mm




## CONNECTION TERMINAL

<rear>

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